

FIG.1

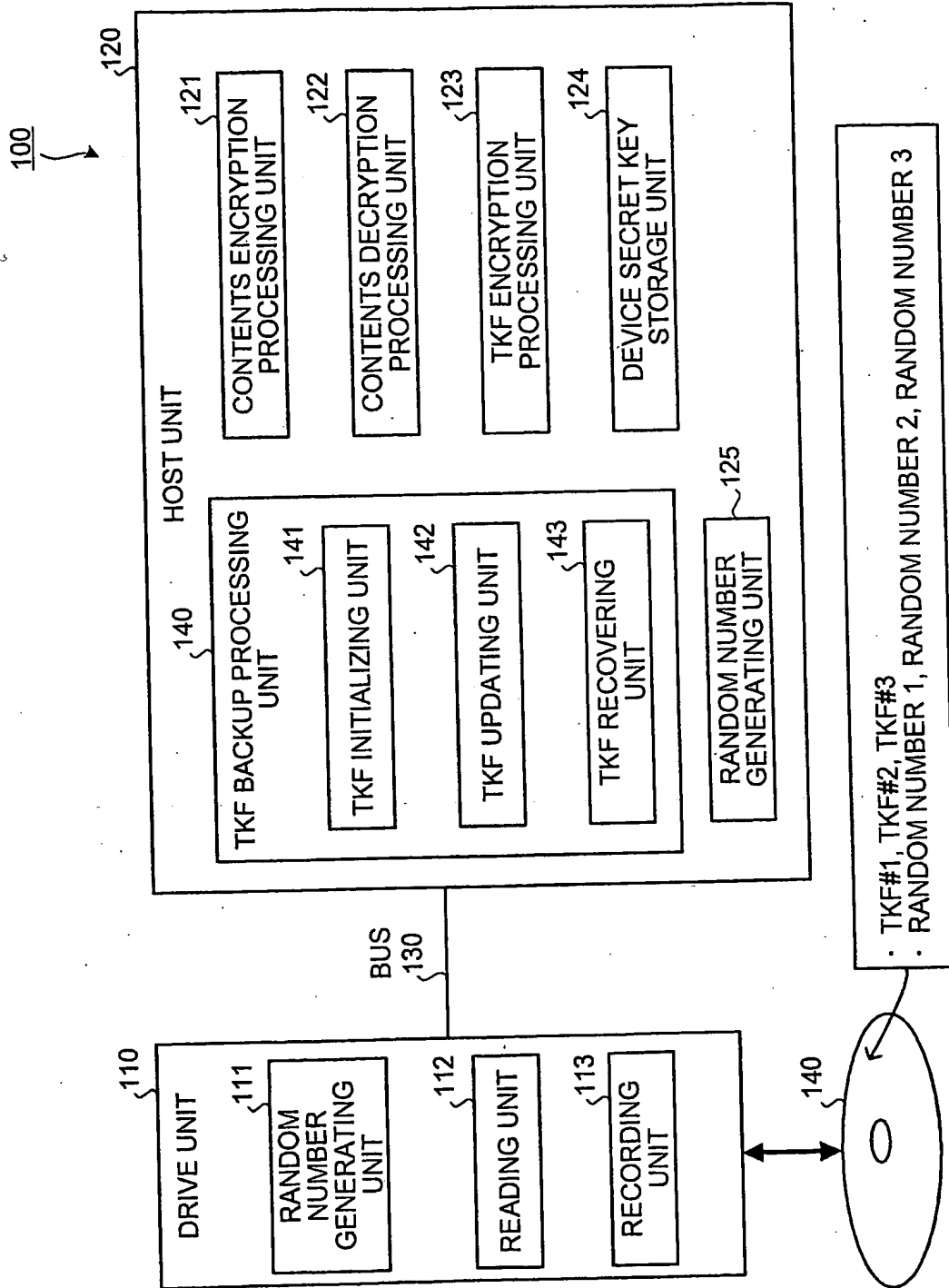


FIG.2

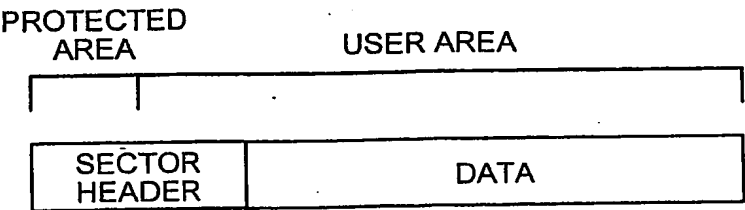
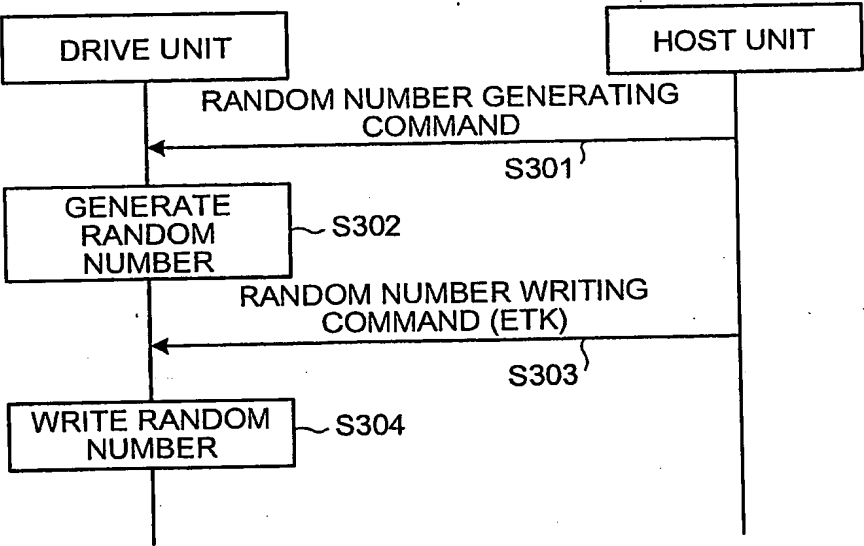
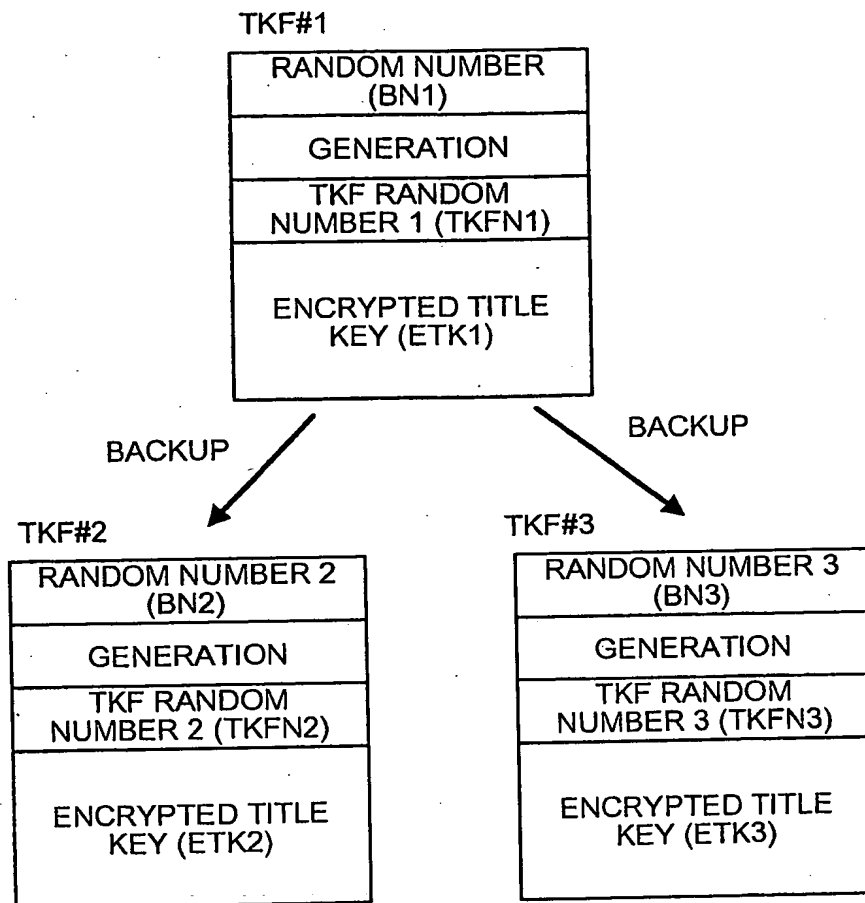


FIG.3



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FIG.4A



$$\begin{aligned} \text{ETK1} &= f(\text{TK}, \text{BN1}, \text{TKFN3}) \\ \text{ETK2} &= f(\text{TK}, \text{BN2}, \text{TKFN1}) \\ \text{ETK3} &= f(\text{TK}, \text{BN3}, \text{TKFN2}) \end{aligned}$$

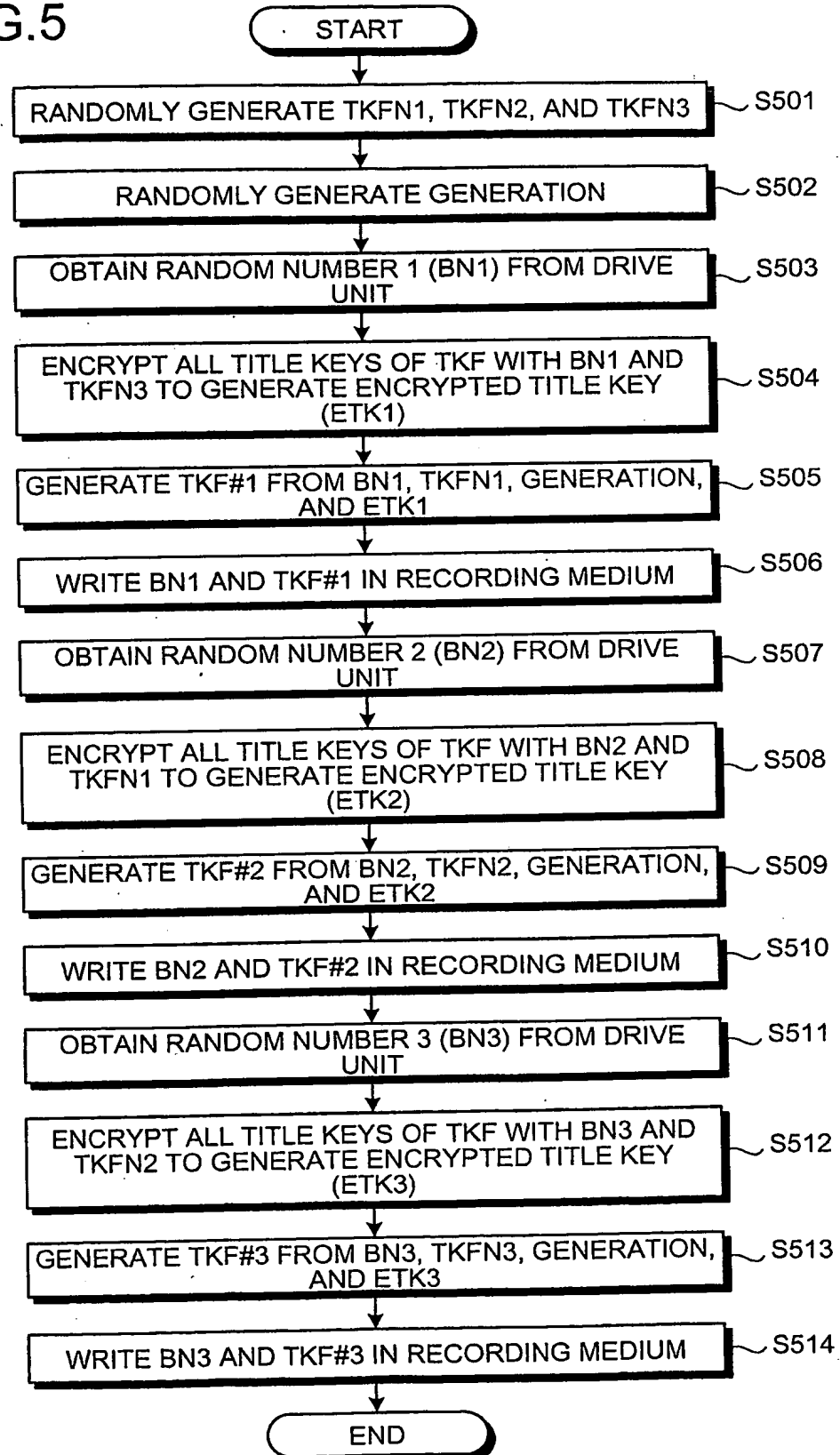
FIG.4B

ETK1 TO ETK3

ENCRYPTED TITLE KEY 1
ENCRYPTED TITLE KEY 2
ENCRYPTED TITLE KEY 3
⋮
ENCRYPTED TITLE KEY n

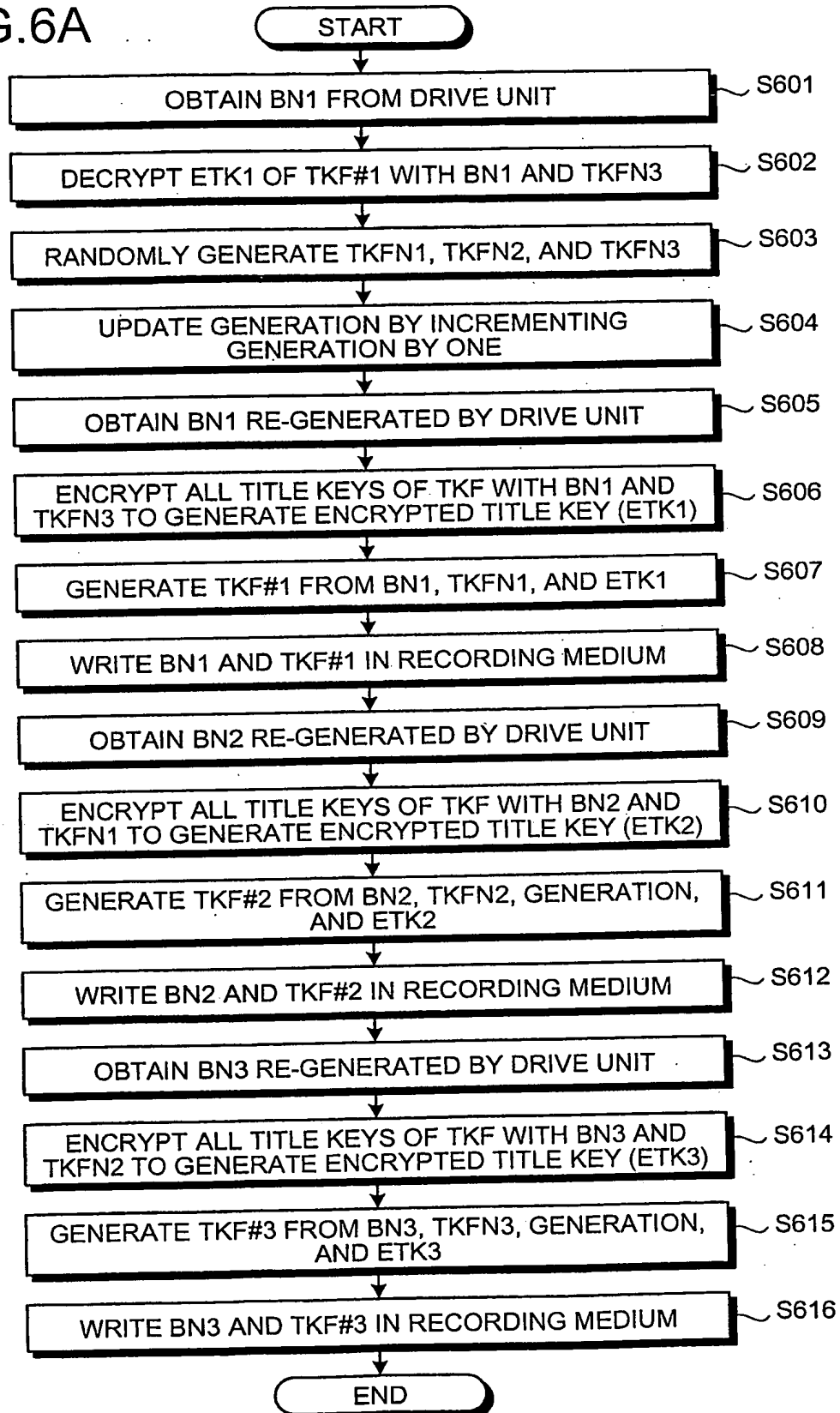
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FIG.5



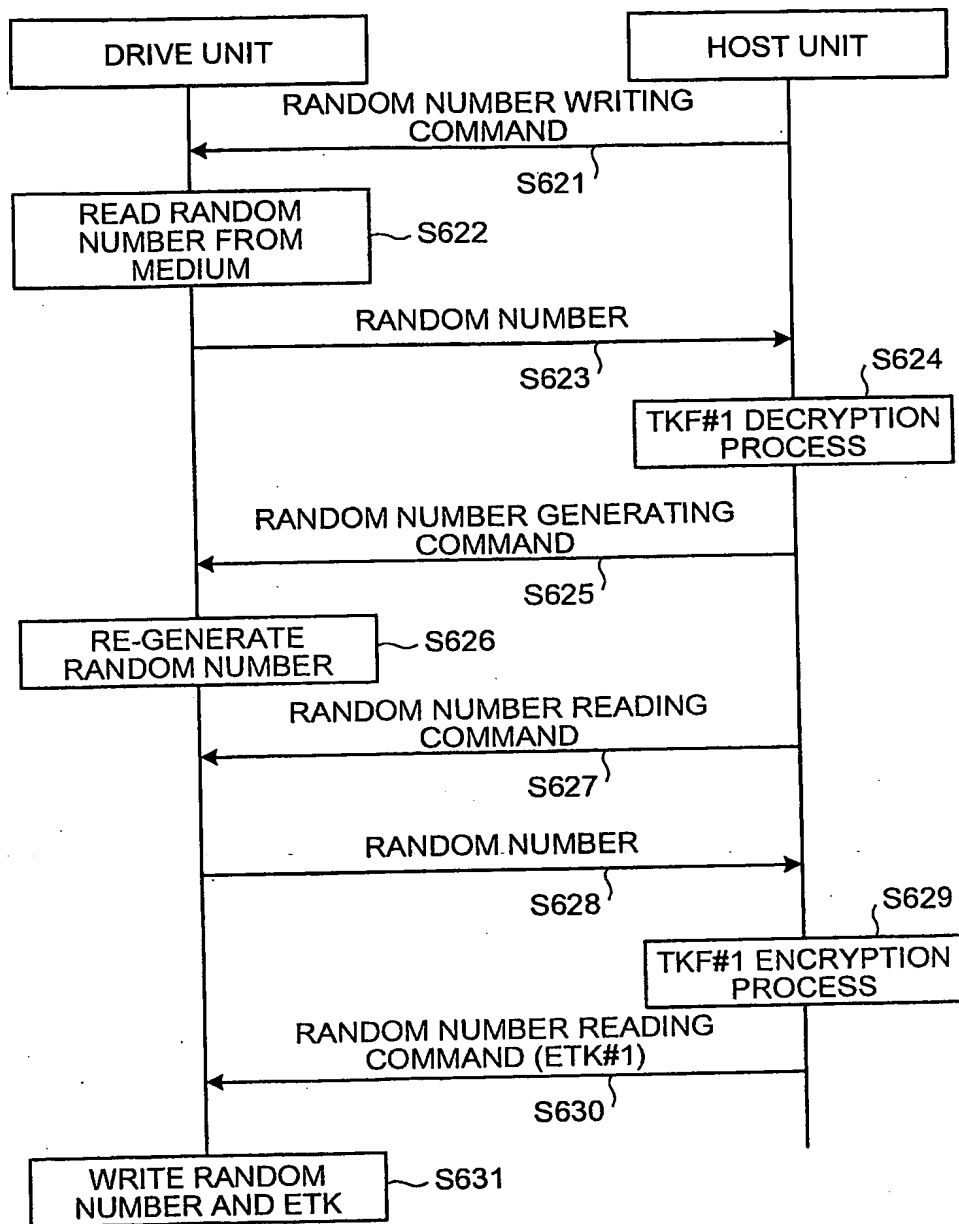
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FIG.6A



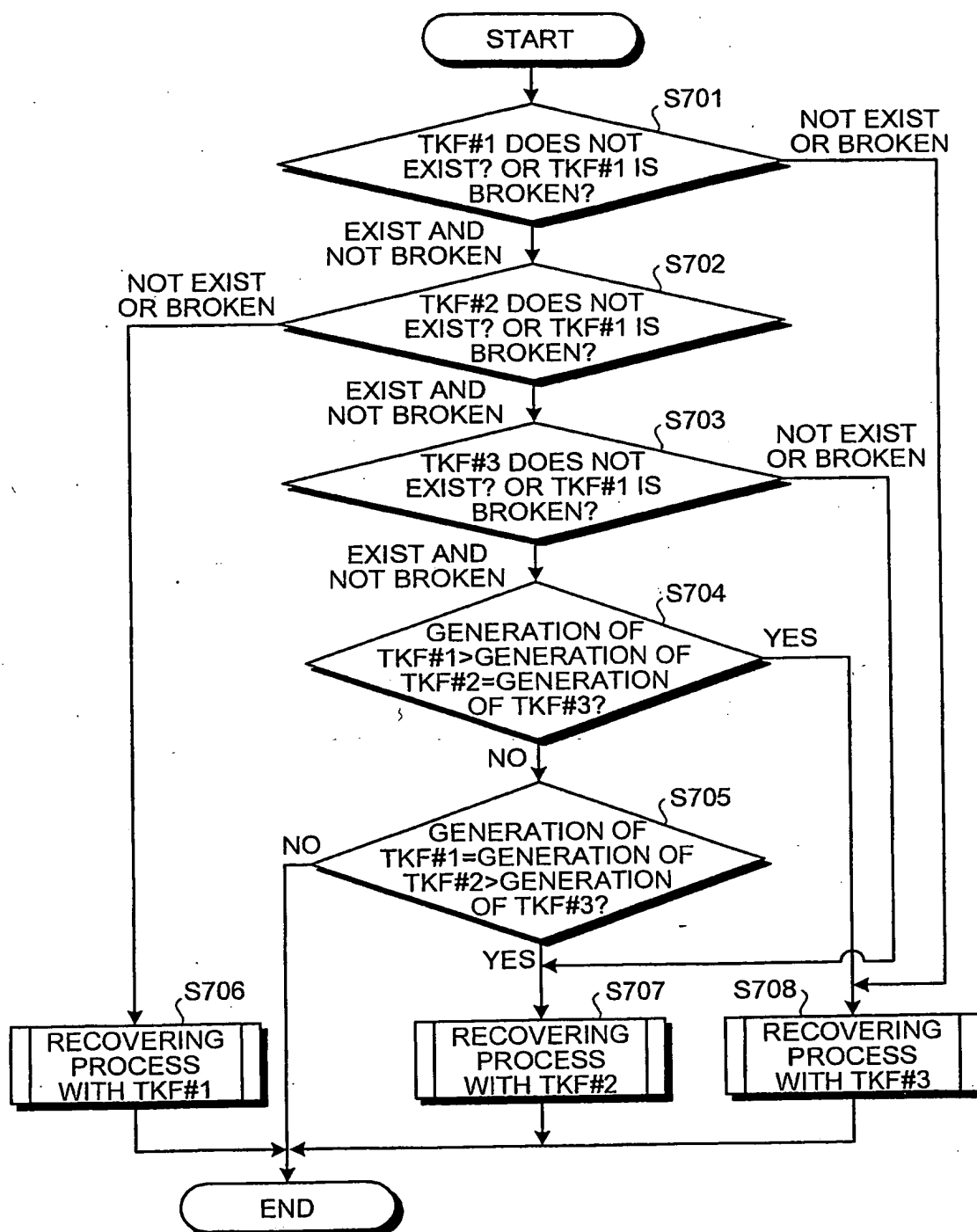
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FIG.6B



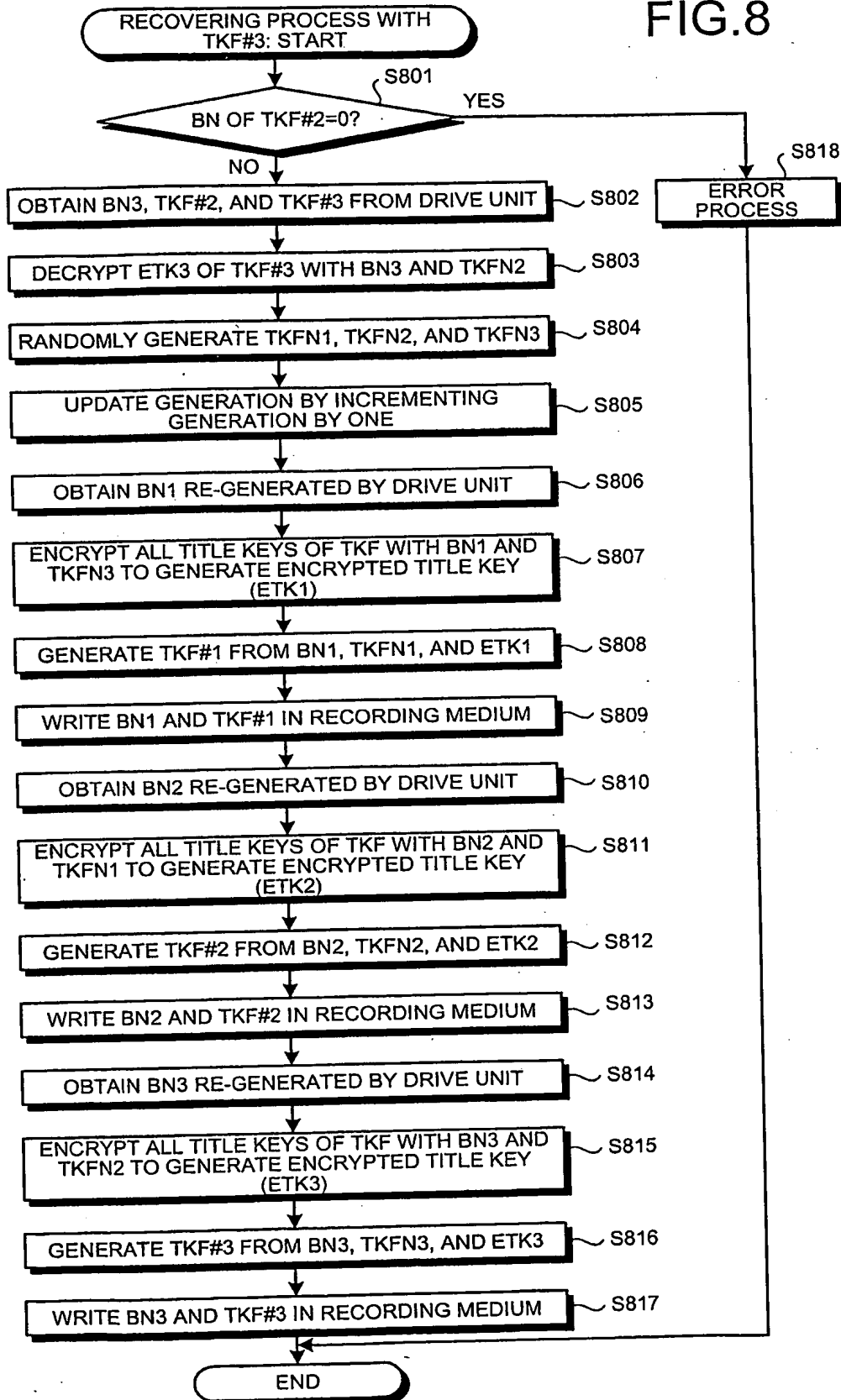
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FIG.7



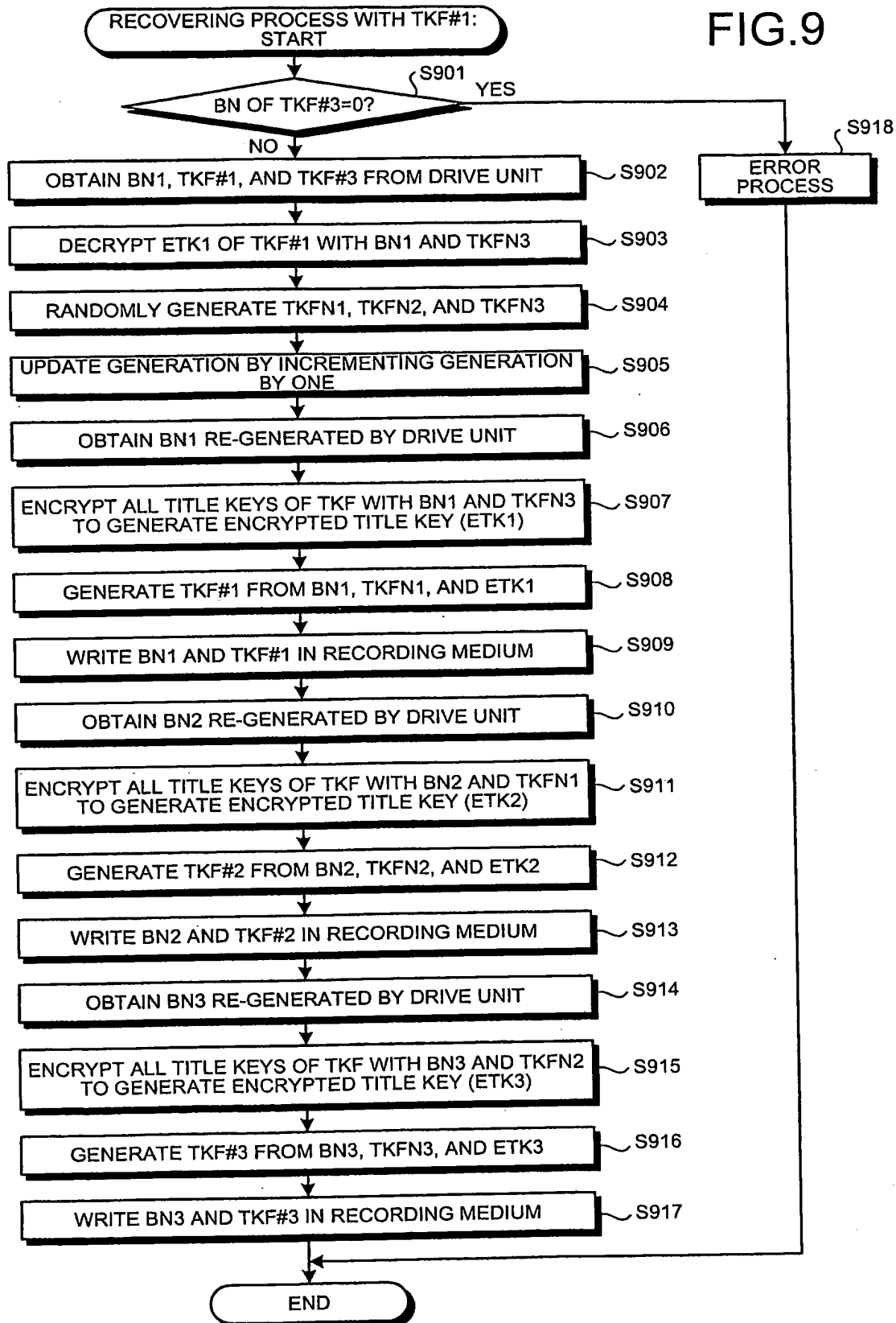
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FIG.8



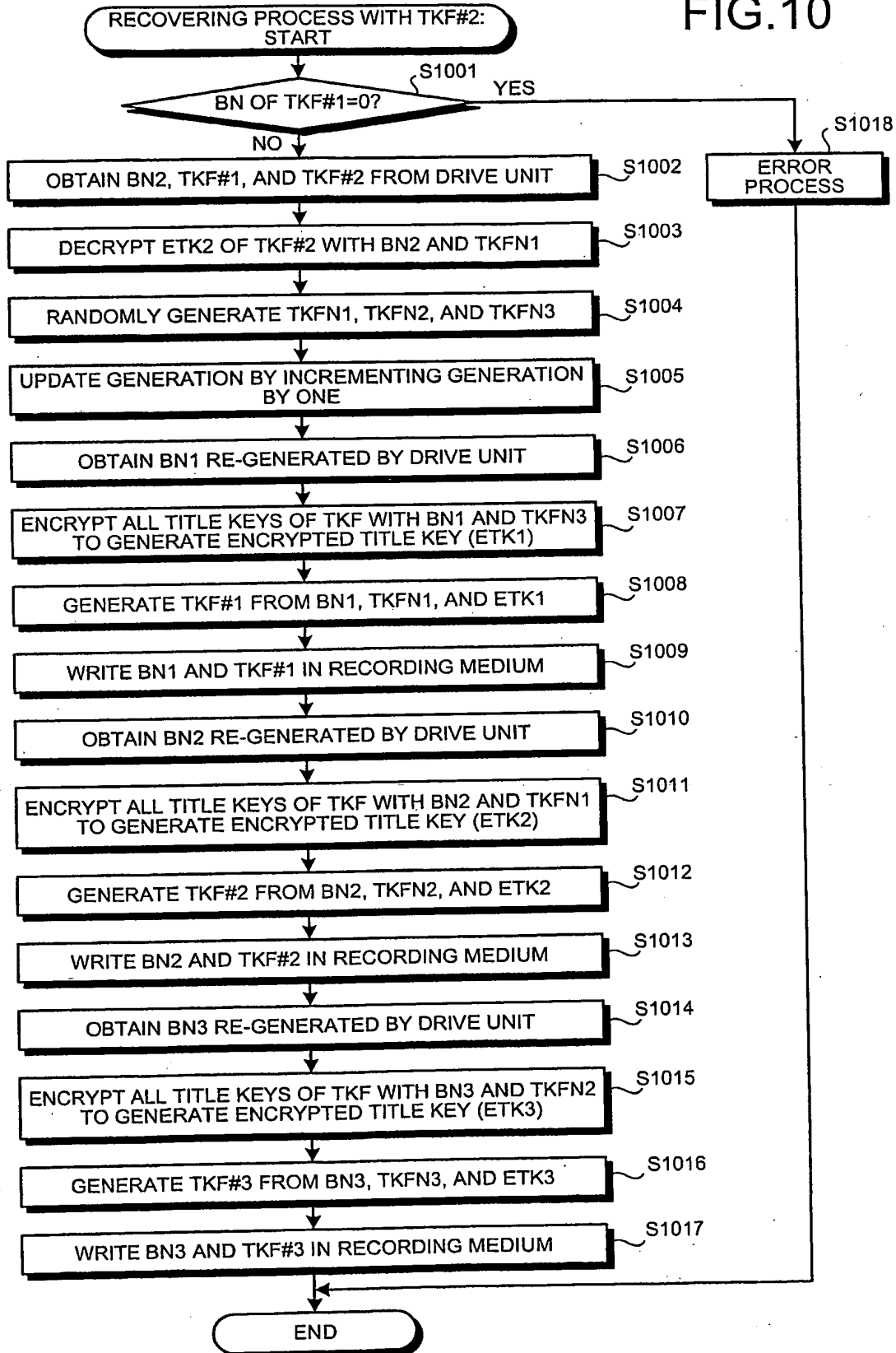
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FIG.9



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FIG.10



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FIG.11

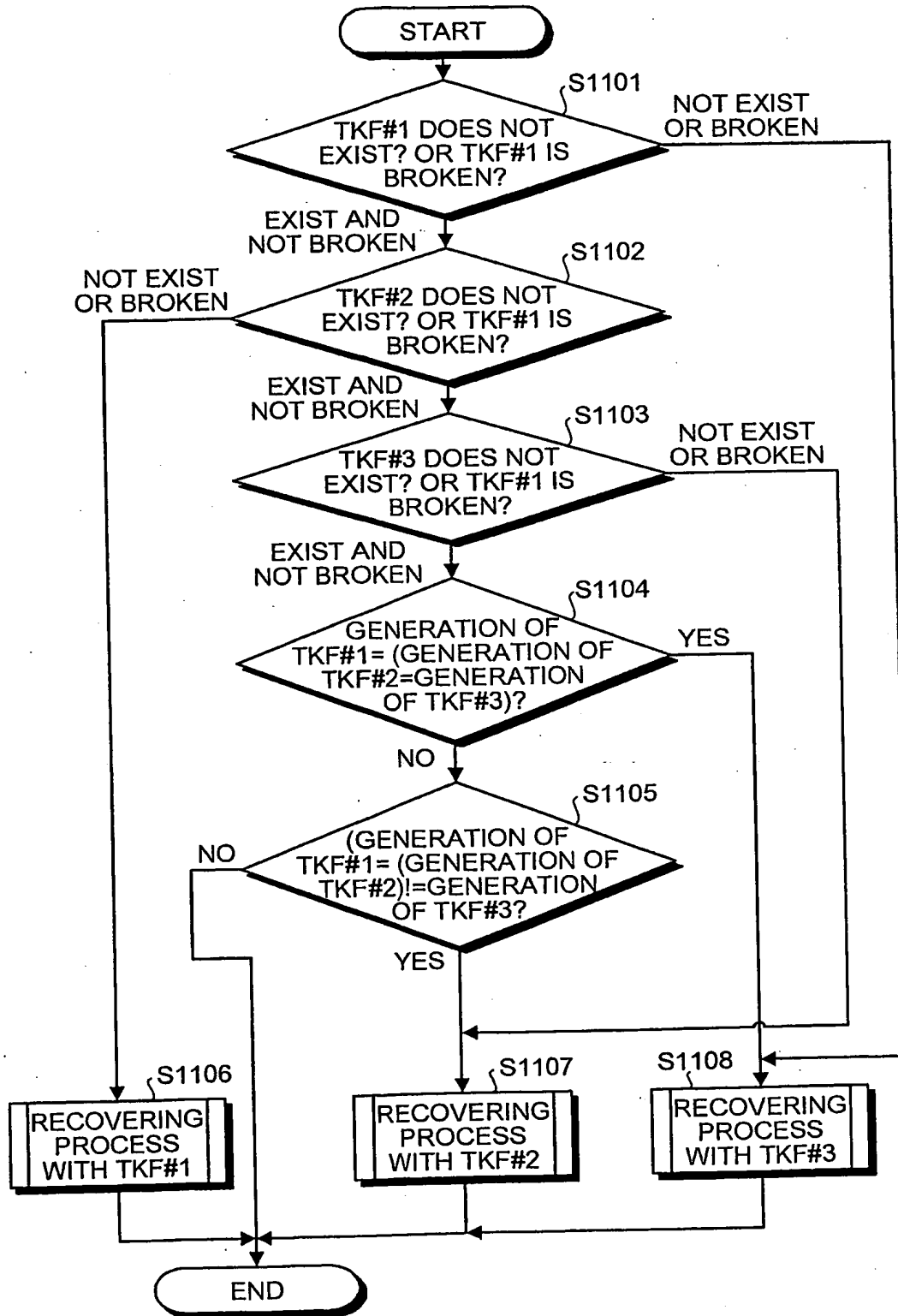
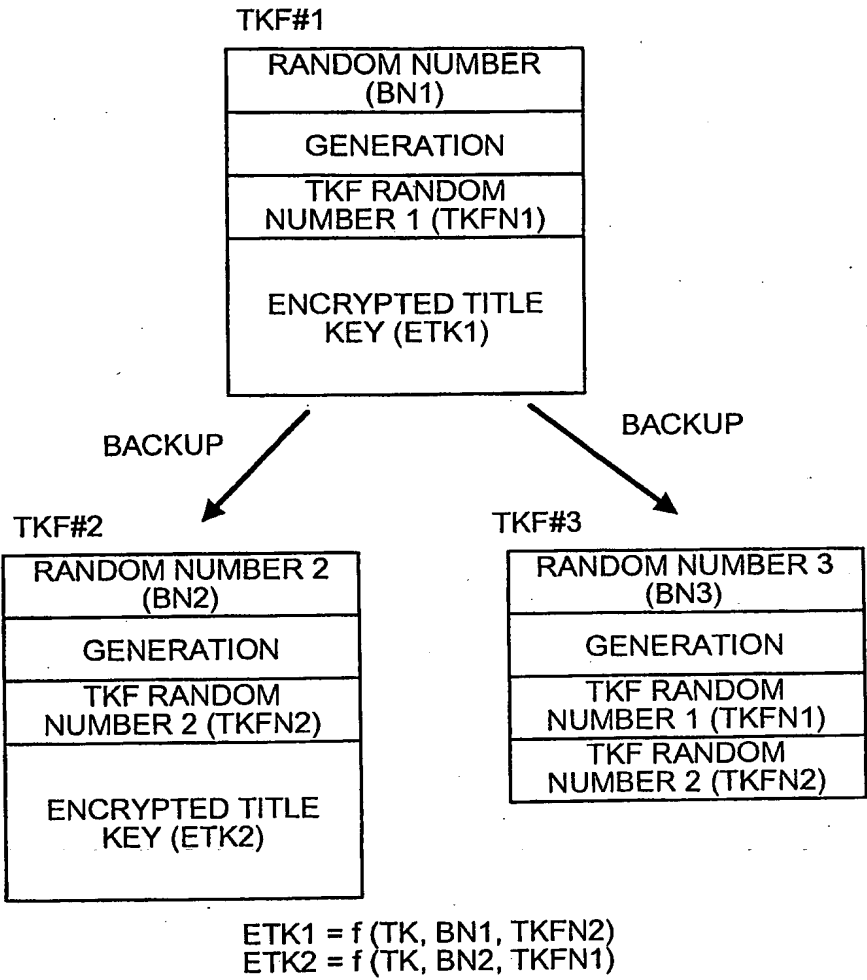
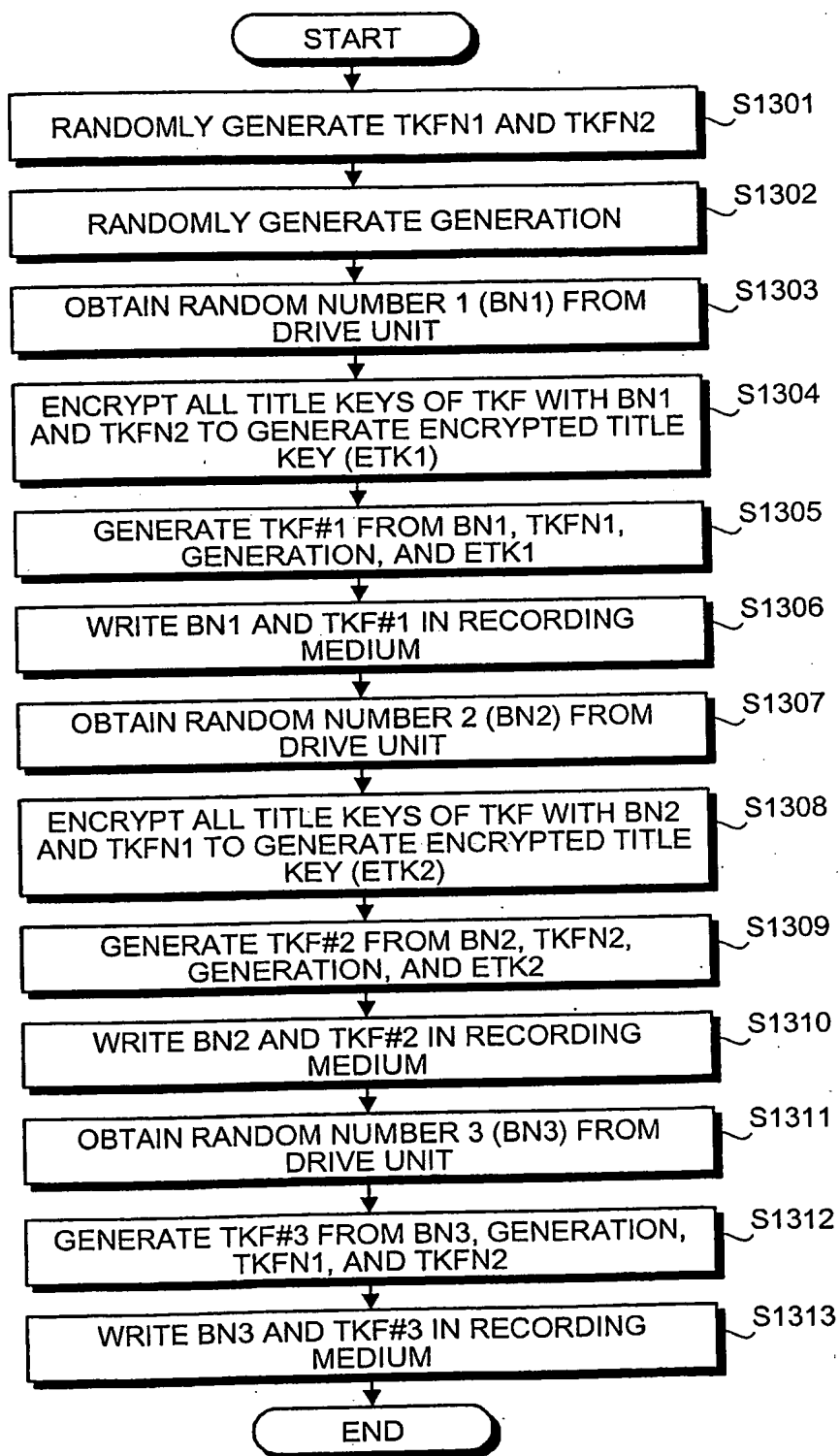


FIG.12



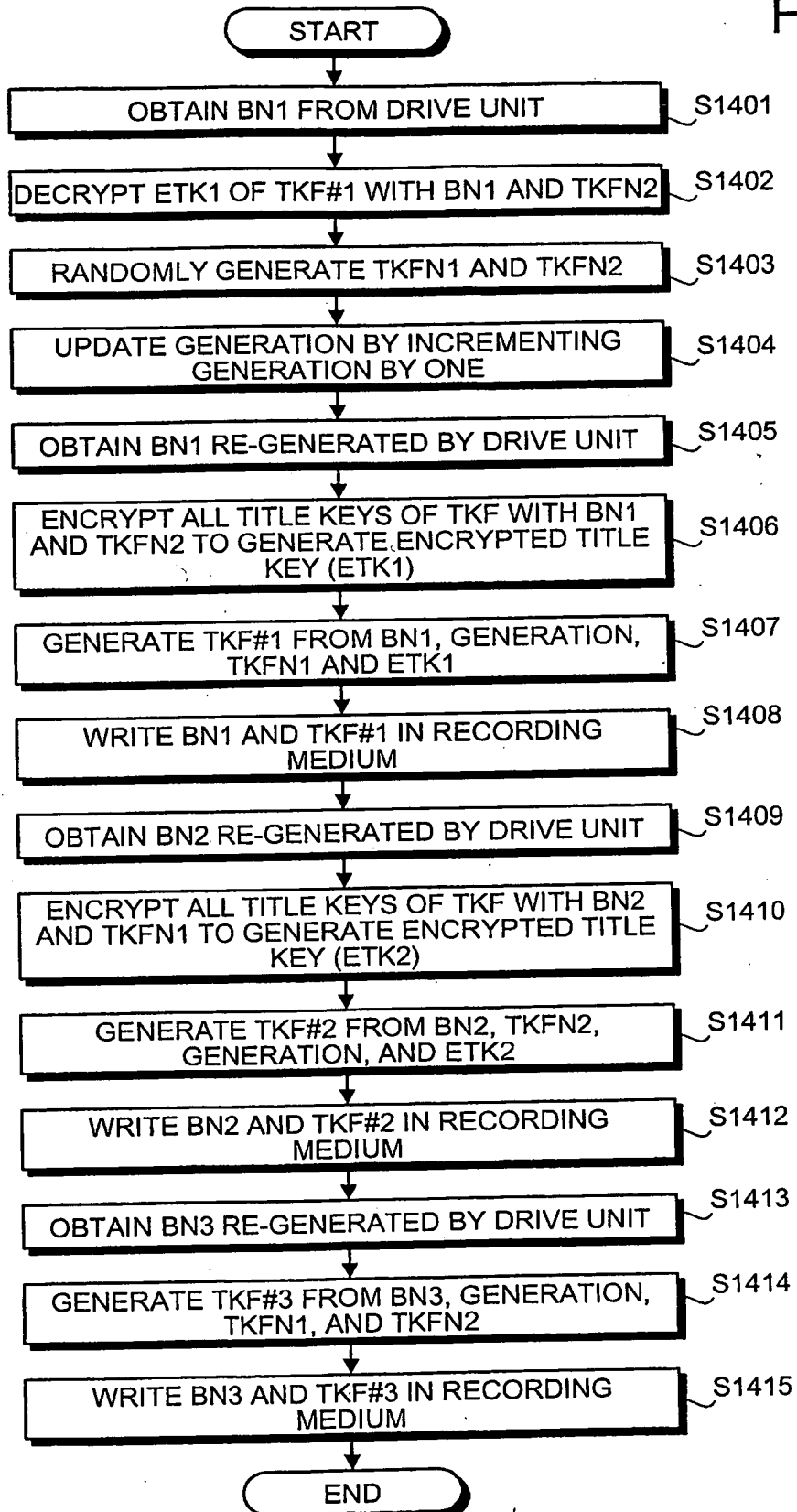
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FIG.13



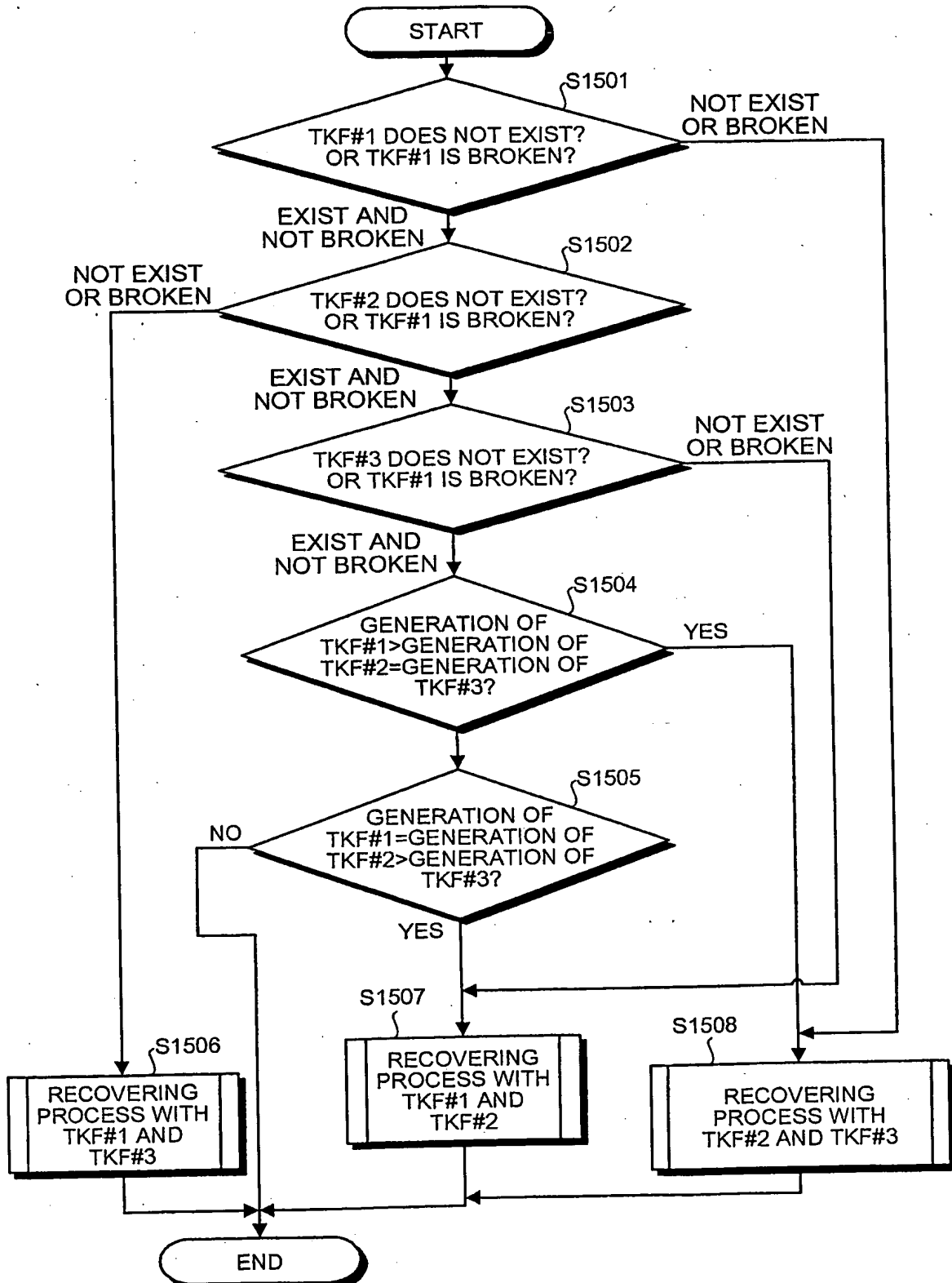
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FIG.14



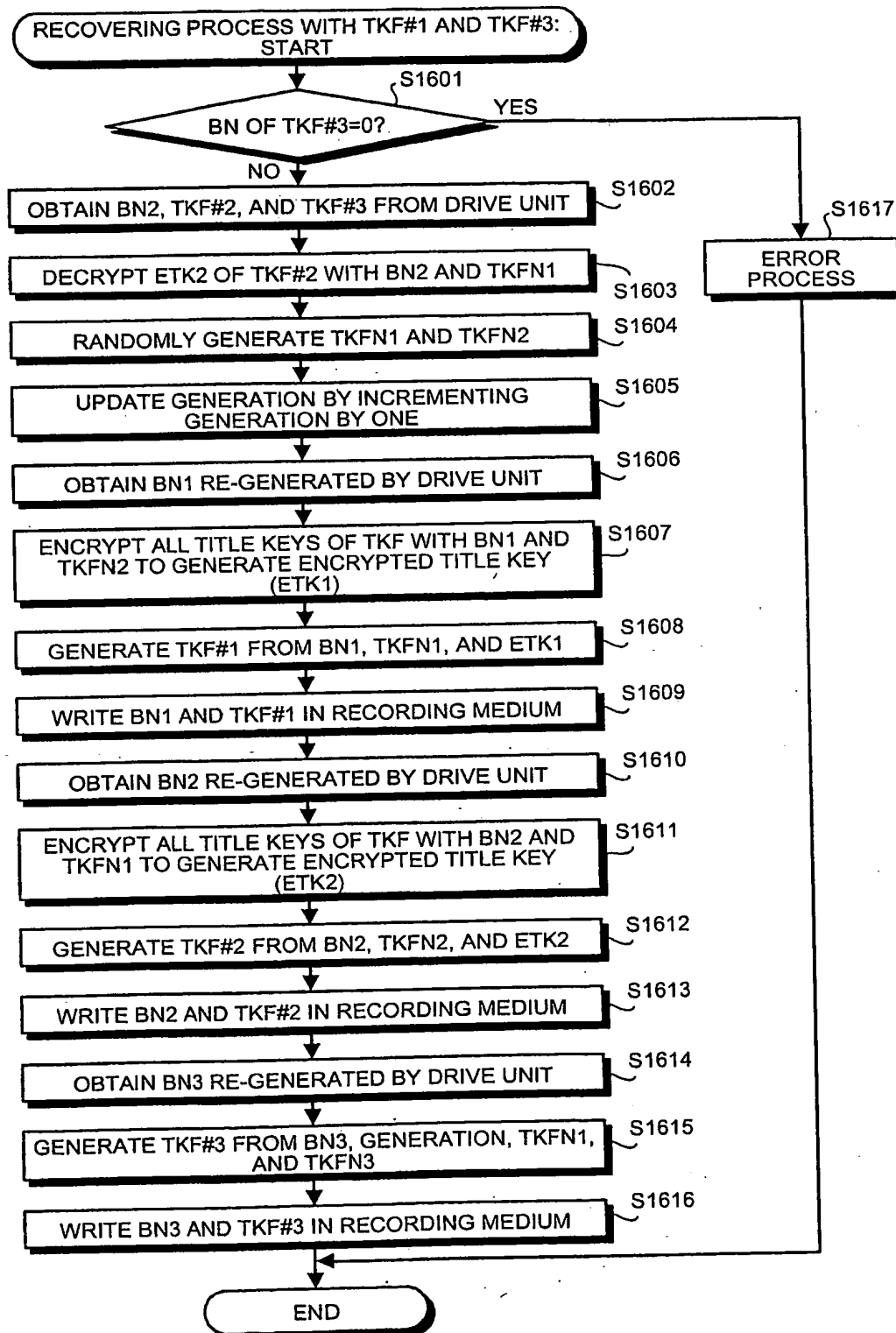
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FIG.15



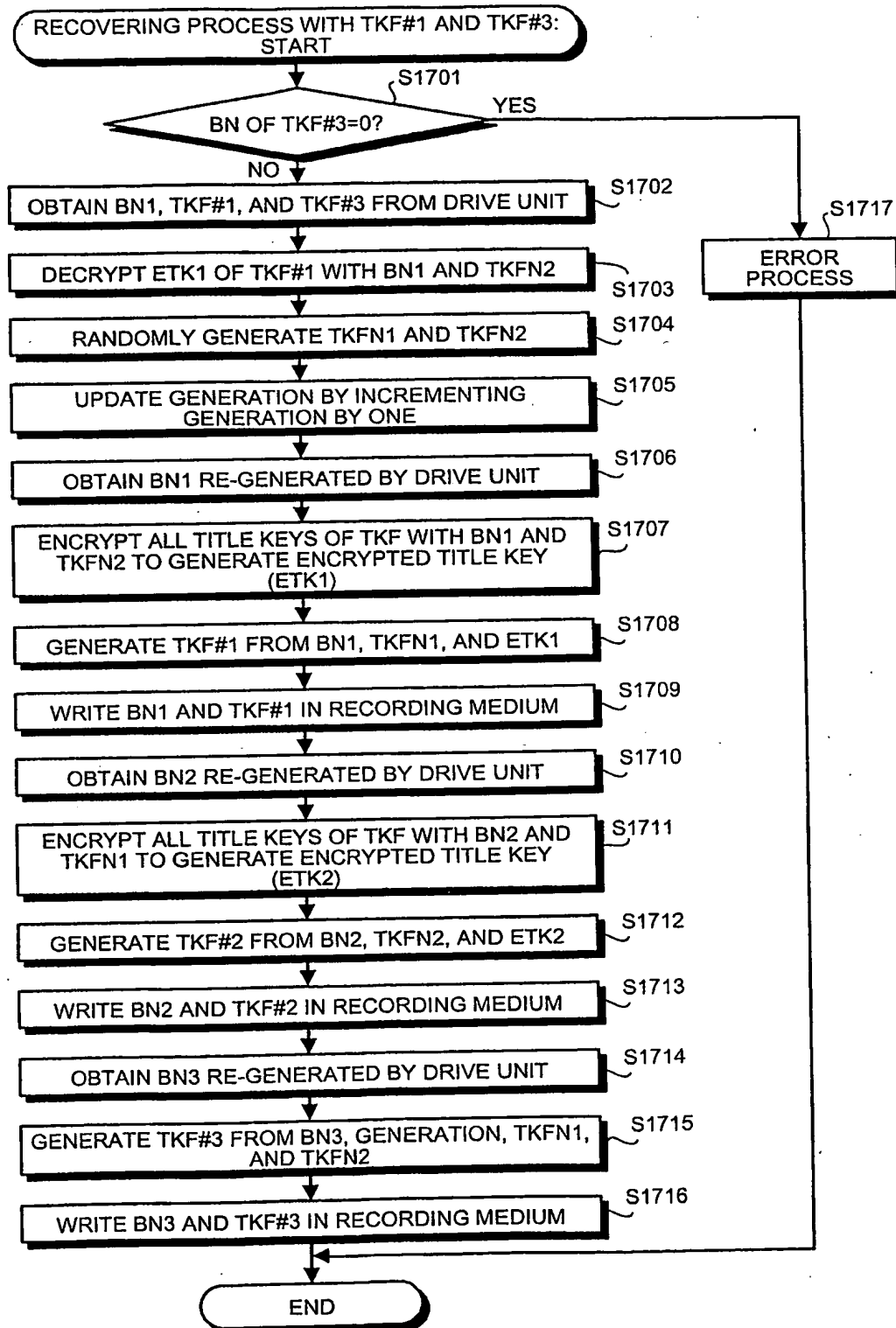
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FIG.16



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FIG.17



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FIG.18

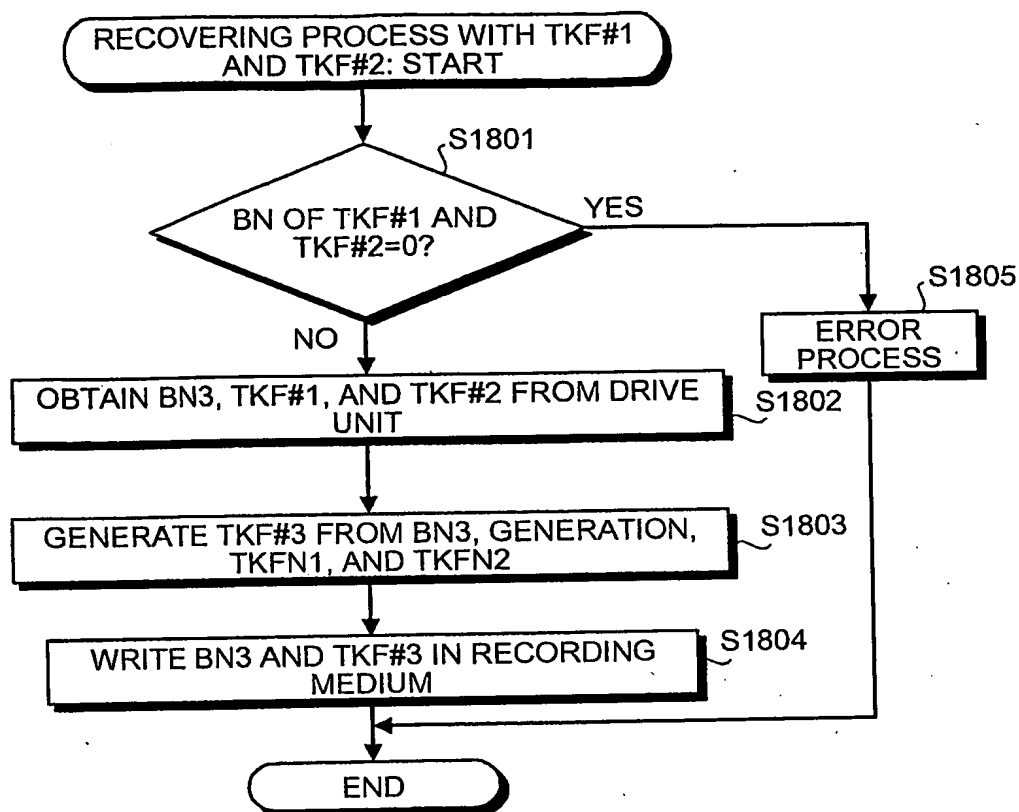


FIG.19

